Journal of Non-Crystalline Solids 92 (1987) 419–421
North-Holland, Amsterdam

AUTHOR INDEX

Ardelean, I., see Cozar 92 (1987) 278
Asano, M., T. Kou and Y. Yasue, Mass spectrometric study of vaporization of cesium-containing borosilicate glasses 92 (1987) 245
Ashley, C.S., see Griscom 92 (1987) 295
Audas, R.D. and D.E. Brodie, The effect of water vapour on the properties of A-Si:C thin films prepared by evaporation 92 (1987) 367
Avnir, D. and V.R. Kaufman, Alcohol is an unnecessary additive in the silicon alkoxide sol–gel process 92 (1987) 180

Babonneau, F., see Fritsch 92 (1987) 282
Becherescu, D., see Goldstein 92 (1987) 271
Belford, R.E. and A.E. Owen, Temperature dependent ac impedance studies of glass to metal contacts in solid state glass pH sensors 92 (1987) 73
Bhatia, K.L., see Bhatnagar 92 (1987) 302
Bhatnagar, V.K., K.L. Bhatia, D.P. Gosain and V.K. Jain, Effect of transition metal impurity Mn on the electronic properties of amorphous semiconductor $Ge_{20}S_{80-x}Bi_x$ 92 (1987) 302
Brinker, C.J., see Griscom 92 (1987) 295
Brodie, D.E., see Audas 92 (1987) 367
Brown, R.N., Material dispersion in heavy metal oxide glasses containing Bi_2O_3 92 (1987) 89
Büchner, P., see Feltz 92 (1987) 397

Calas, G., see Fritsch 92 (1987) 282
Card, H.C., see Shufflebotham 92 (1987) 183
Carpenter, J.M., see Price 92 (1987) 153
Chiriac, V., see Goldstein 92 (1987) 271
Chopra, K.L., see Kumar 92 (1987) 51
Christensen, P.S., see Mitachi 92 (1987) 313
Christensen, P.S., see Mitachi 92 (1987) 326
Cozar, O. and I. Ardelean, The local symmetry of Cu^{2+} ions in phosphate glasses 92 (1987) 278

Davidson, B.A., see Hauser 92 (1987) 261
Doremus, R.H., see Dunken 92 (1987) 61
Dunken, H. and R.H. Doremus, Short time reactions of a Na_2O–CaO–SiO_2 glass with water and salt solutions 92 (1987) 61
Dunn, T., Uranium (VI) diffusion in a supercooled borosilicate melt 92 (1987) 1

El-Den, M.B., N.B. Olsen, I.H. Pedersen and P. Viščor, DC and ac electrical transport in AsSeTe systems 92 (1987) 20
Elliott, S.R., see Fowler 92 (1987) 31

Felder, R.J., see Hauser 92 (1987) 261
Feller, S., see Karki 92 (1987) 11
Feltz, A. and P. Büchner, Structure and ionic conduction in solids. I. Na^+-ion conducting glasses in the systems $NaBSiO_4$–Na_2SiO_3, $NaBSiO_4$–Na_4SiO_4 and $NaBSiO_4$–Na_3PO_4 92 (1987) 397

0022-3093/87/$03.50 © Elsevier Science Publishers B.V.
(North-Holland Physics Publishing Division)

Ferley, L., T. Mattern and G. Lehmann, An alternative model for the photochromism of glasses 92 (1987) 107
Fonteneau, G., see Mitachi 92 (1987) 313
Fonteneau, G., see Mitachi 92 (1987) 326
Fowler, T.G. and S.R. Elliott, Continuous random network models for a–As_2S_3 92 (1987) 31
Fritsch, E., F. Babonneau, C. Sanchez and G. Calas, Vanadium incorporation in silica glasses 92 (1987) 282

Garofalini, S.H., see Rosenthal 92 (1987) 354
Gerber, Th. and B. Himmel, The structure of silica glass in dependence on the fictive temperature 92 (1987) 407
Goldstein, A., V. Chiriac and D. Becherescu, On some d^1 ions spectra in oxide glasses 92 (1987) 271
Gosain, D.P., see Bhatnagar 92 (1987) 302
Goswami, G.L., see Tiwari 92 (1987) 341
Griscom, D.L., C.J. Brinker and C.S. Ashley, ESR studies of irradiated ^{17}O-enriched sol–gel silicas. Organic impurity effects and the structure of the nonbridging-oxygen hole center 92 (1987) 295

Hauser, J.J., R.J. Felder and B.A. Davidson, Electrical and magnetic properties of amorphous W–Mn–O films 92 (1987) 261
Hauser, J.J., Magnetic properties of (W–Fe)O_x alloys ($x = 0$, 0.75, 1.25) 92 (1987) 337
Himmel, B., see Gerber 92 (1987) 407

Jain, V.K., see Bhatnagar 92 (1987) 302

Karki, A., S. Feller, H.P. Lim, J. Stark, C. Sanchez and M. Shibata, The density of sodium–borate glasses related to atomic arrangements 92 (1987) 11
Kaufman, V.R., see Avnir 92 (1987) 180
Klinger, M.I., V.G. Kudryavtsev, M.I. Ryazanov and S.N. Taraskin, The role of negative-U centres in the photoconductivity of glassy semiconductors 92 (1987) 363
Kou, T., see Asano 92 (1987) 245
Kudryavtsev, V.G., see Klinger 92 (1987) 363
Kumar, A., L.K. Malhotra and K.L. Chopra, Photoinduced changes in amorphous P–Se thin films 92 (1987) 51

Lakshman, S.V.J., see Lakshmana Rao 92 (1987) 175
Lakshmana Rao, J., B. Sreedhar, Y.C. Ratnakar and S.V.J. Lakshman, Electron spin resonance and optical absorption spectra of Mn^{2+} ions in Na_2SO_4–$ZnSO_4$ glasses 92 (1987) 175
Lee, W.-H., see Sun 92 (1987) 145
Lehmann, G., see Ferley 92 (1987) 107
Lim, H.P., see Karki 92 (1987) 11
Lucas, J., see Mitachi 92 (1987) 313
Lucas, J., see Mitachi 92 (1987) 326

Malhotra, L.K., see Kumar 92 (1987) 51
Mattern, T., see Ferley 92 (1987) 107
Mitachi, S., G. Fonteneau, P.S. Christensen and J. Lucas, Molar extinction coefficients of OH in fluoride glasses considering molecular water influence 92 (1987) 313
Mitachi, S., G. Fonteneau, P.S. Christensen and J. Lucas, Molar extinction coefficients of OH in various types of fluoride glasses 92 (1987) 326

Nair, P.K.K., see Tiwari 92 (1987) 341

Olsen, N.B., see El-Den 92 (1987) 20
Owen, A.E., see Belford 92 (1987) 73

Pedersen, I.H., see El-Den 92 (1987) 20
Price, D.L. and J.M. Carpenter, Scattering function of vitreous silica 92 (1987) 153

Raj, P., see Tiwari 92 (1987) 341
Ratnakar, Y.C., see Lakshmana Rao 92 (1987) 175
Risen Jr, W.M., see Sun 92 (1987) 145
Rosenthal, A.B. and S.H. Garofalini, The structure of amorphous $Na_2O:ZnO:3SiO_2$ 92 (1987) 354
Ryazanov, M.I., see Klinger 92 (1987) 363

Sacks, M.D. and R.-S. Sheu, Rheological properties of silica sol–gel materials 92 (1987) 383
Sanchez, C., see Karki 92 (1987) 11
Sanchez, C., see Fritsch 92 (1987) 282
Scherer, G.W., Drying gels. V. Rigid gels 92 (1987) 122
Scherer, G.W., Correction of 'Drying gels: I. General theory' 92 (1987) 375
Sheu, R.-S., see Sacks 92 (1987) 383
Shibata, M., see Karki 92 (1987) 11
Shufflebotham, P.K., H.C. Card and A. Thanailakis, A review of amorphous silicon alloys. Fabrication, properties and applications 92 (1987) 183
Sotiropoulos, J. and G. Weiser, Optical properties and structure of $Si_{1-x}C_x$:H alloys 92 (1987) 95
Sreedhar, B., see Lakshmana Rao 92 (1987) 175
Stark, J., see Karki 92 (1987) 11
Sun, K., W.-H. Lee and W.M. Risen Jr, Sol–gel preparation of rare-earth silicate glasses 92 (1987) 145

Taraskin, S.N., see Klinger 92 (1987) 363
Thanailakis, A., see Shufflebotham 92 (1987) 183
Tiwari, G.P., P.K.K. Nair, G.L. Goswami and P. Raj, Mechanism of structural relaxation in a metallic glass 92 (1987) 341

Viščor, P., see El-Den 92 (1987) 20

Weiser, G., see Sotiropoulos 92 (1987) 95

Yasue, Y., see Asano 92 (1987) 245

Journal of Non-Crystalline Solids 92 (1987) 423–426
North-Holland, Amsterdam

SUBJECT INDEX

Applications
Fabrication, Semiconductors 92 (1987) 183

Borates
Diffusion, Structure 92 (1987) 1
Optical Properties, Silicates 92 (1987) 107
Silicates, Thermodynamics 92 (1987) 245
Structure, Density 92 (1987) 11

Chalcogenides
Electronic Conductivity, Semiconductors 92 (1987) 302
Electronic Conductivity, Transport Properties – Solids 92 (1987) 20
Structure, X-ray Diffraction 92 (1987) 31
Thin Films, Optical Properties 92 (1987) 51

Chemical Durability
Silicates, Infra-red Absorption 92 (1987) 61

Computer Simulation
Silicates, Structure 92 (1987) 354

Density
Borates, Structure 92 (1987) 11

Diffusion
Borates, Structure 92 (1987) 1

Electrical Properties and Relaxation
Glass Surface, High Field Effects 92 (1987) 73
Magnetic Properties, Tungstates 92 (1987) 261
Metallic Glasses, Relaxation 92 (1987) 341
Semiconductors, Thin Films 92 (1987) 367

Electron Spin Resonance
Glasses Containing Transition Metal Ions, Optical Properties 92 (1987) 175
Glasses Containing Transition Metal Ions, Structure 92 (1987) 271
Silicates, Structure 92 (1987) 282
Sol–Gel Method, Structure 92 (1987) 295
Structure, Phosphates 92 (1987) 278

Electronic Conductivity
Chalcogenides, Transport Properties – Solids 92 (1987) 20
Semiconductors, Chalcogenides 92 (1987) 302

Electronic Structure
Semiconductors, Photoconductivity 92 (1987) 363

0022-3093/87/$03.50 © Elsevier Science Publishers B.V.
(North-Holland Physics Publishing Division)

Fabrication
Semiconductors, Applications 92 (1987) 183

Fluorides
Water in Glass, Optical Properties 92 (1987) 313, 326

Glass Surface
Electrical Properties and Relaxation, High Field Effects 92 (1987) 73

Glasses Containing Transition Metal Ions
Electron Spin Resonance, Optical Properties 92 (1987) 175
Electron Spin Resonance, Structure 92 (1987) 271

High Field Effects
Electrical Properties and Relaxation, Glass Surface 92 (1987) 73

Infra-red Absorption
Chemical Durability, Silicates 92 (1987) 61

Ionic Conductivity
Structure, Silicates 92 (1987) 397

Magnetic Properties
Electrical Properties and Relaxation, Tungstates 92 (1987) 261
Metallic Glasses, Thin Films 92 (1987) 337
Sol–Gel Method, Optical Properties 92 (1987) 145

Metallic Glasses
Magnetic Properties, Thin Films 92 (1987) 337
Relaxation, Electrical Properties and Relaxation 92 (1987) 341

Neutron Diffraction
Silica, Structure 92 (1987) 153

Optical Properties
Borates, Silicates 92 (1987) 107
Chalcogenides, Thin Films 92 (1987) 51
Electron Spin Resonance, Glasses Containing Transition Metal Ions 92 (1987) 175
Fluorides, Water in Glass 92 (1987) 313, 326
Refractive Index, Oxides 92 (1987) 89
Sol–Gel Method, Magnetic Properties 92 (1987) 145
Structure, Thin Films 92 (1987) 95

Oxides
Optical Properties, Refractive Index 92 (1987) 89

Phosphates
Electron Spin Resonance, Structure 92 (1987) 278

Photoconductivity
Semiconductors, Electronic Structure 92 (1987) 363

Porosity
Sol–Gel Method, Pressure Effects 92 (1987) 375

Pressure Effects
Sol–Gel Method, Porosity 92 (1987) 375

Refractive Index
Optical Properties, Oxides 92 (1987) 89

Relaxation
Metallic Glasses, Electrical Properties and Relaxation 92 (1987) 341

Semiconductors
Electronic Conductivity, Chalcogenides 92 (1987) 302
Fabrication, Applications 92 (1987) 183
Photoconductivity, Electronic Structure 92 (1987) 363
Thin Films, Electrical Properties and Relaxation 92 (1987) 367

Silica
Neutron Diffraction, Structure 92 (1987) 153
Sol–Gel Method, Structure 92 (1987) 180
Sol–Gel Method, Viscosity 92 (1987) 383
Structure, X-ray Diffraction 92 (1987) 407

Silicates
Borates, Thermodynamics 92 (1987) 245
Chemical Durability, Infra-red Absorption 92 (1987) 61
Electron Spin Resonance, Structure 92 (1987) 282
Optical Properties, Borates 92 (1987) 107
Structure, Computer Simulation 92 (1987) 354
Structure, Ionic Conductivity 92 (1987) 397

Sol–Gel Method
Electron Spin Resonance, Structure 92 (1987) 295
Optical Properties, Magnetic Properties 92 (1987) 145
Pressure Effects, Porosity 92 (1987) 375
Silica, Viscosity 92 (1987) 383
Stress Relaxation, Structure 92 (1987) 122
Structure, Silica 92 (1987) 180

Stress Relaxation
Sol–Gel Method, Structure 92 (1987) 122

Structure
Borates, Density 92 (1987) 11
Borates, Diffusion 92 (1987) 1
Chalcogenides, X-ray Diffraction 92 (1987) 31
Electron Spin Resonance, Glasses Containing Transition Metal Ions 92 (1987) 271
Electron Spin Resonance, Phosphates 92 (1987) 278
Electron Spin Resonance, Silicates 92 (1987) 282
Electron Spin Resonance, Sol–Gel Method 92 (1987) 295
Ionic Conductivity, Silicates 92 (1987) 397
Optical Properties, Thin Films 92 (1987) 95
Silica, Neutron Diffraction 92 (1987) 153
Silica, X-ray Diffraction 92 (1987) 407
Silicates, Computer Simulation 92 (1987) 354

Sol–Gel Method, Silica 92 (1987) 180
Sol–Gel Method, Stress Relaxation 92 (1987) 122

Thermodynamics
Borates, Silicates 92 (1987) 245

Thin Films
Chalcogenides, Optical Properties 92 (1987) 51
Metallic Glasses, Magnetic Properties 92 (1987) 337
Optical Properties, Structure 92 (1987) 95
Semiconductors, Electrical Properties and Relaxation 92 (1987) 367

Transport Properties – Solids
Chalcogenides, Electronic Conductivity 92 (1987) 20

Tungstates
Electrical Properties and Relaxation, Magnetic Properties 92 (1987) 261

Viscosity
Sol–Gel Method, Silica 92 (1987) 383

Water in Glass
Fluorides, Optical Properties 92 (1987) 313, 326

X-ray Diffraction
Chalcogenides, Structure 92 (1987) 31
Structure, Silica 92 (1987) 407